

### Abstract

A sweeper comprising a main wheel being capable of spinning in both a counterclockwise and a clockwise direction in

5 response to the broom being moved backwards or forwards.

The sweeper has a brush wheel driven by the main wheel and being capable of spinning in one direction irrespective of the spinning direction of the drive wheel. The sweeper has a plurality of intermediate wheels capable of translating

10 the spinning motion from the drive wheel to the brush wheel, and each of the wheels being capable of simultaneous and non-slip spinning.